

PATENT

ATTORNEY DOCKET NO. VEOC.001.01US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Geuze and Melief

) Examiner: Amy DeCloux

Serial No.: 09/011,167

) Art Unit: 1644

Filed: October 5, 1998

)

For: CELL DERIVED ANTIGEN PRESENTING  
VESICLES

) **CLEAN COPY OF THE PENDING  
CLAIMS**

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**BOX AF**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The following is the text of the pending claims including amendments shown on the attached "Version with Markings to Show Changes Made to the Claims".

**IN THE CLAIMS:**

3. (Reiterated) The antigen presenting vesicle according to claim 13 further comprising at least partially processed antigens.
4. (Reiterated) The vesicle according to claim 3 wherein said at least partially processed antigens are presented in the context of MHC class I proteins.
6. (Reiterated) The antigen presenting vesicle according to claim 13, wherein said antigen presenting cell is derived from a B-lymphocyte, a Langerhans cell, a macrophage or a dendritic cell.

**CERTIFICATE OF FIRST CLASS MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service as first class mail in an envelope addressed to BOX AF, Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231

on November 19, 2001

Signature: Jeffrey W. Libby

Printed Name: Jeffrey W. Libby

9. (Three Times Amended) An antigen presenting vesicle having a membrane and a major histocompatibility complex (MHC) class I protein, obtained by the step of:

recovering a membrane-enriched fraction obtained by differential centrifugation of membrane-containing fractions of cell culture supernatants or lysates of antigen presenting cells.

11. (Amended) An antigen presenting vesicle having a membrane and a major histocompatibility complex class I molecule, obtained by the step of:

recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of antigen presenting cells containing MHC class I.

12. (Amended) A purified antigen presenting vesicle having a membrane and a major histocompatibility complex class I molecule, obtained by the step of:

recovering a fraction having a buoyant density of 1.10 to 1.22 g/ml from a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture supernatants or lysates of antigen presenting cells containing MHC class I.

13. (Twice Amended) An antigen presenting vesicle free from its natural surroundings, comprising:

a membrane and a major histocompatibility complex (MHC) class I protein or a functional derivative or fragment thereof, wherein said antigen presenting vesicle is obtainable from an antigen presenting cell.

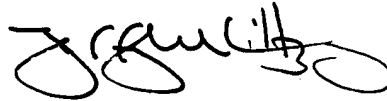
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**CONCLUSION**

Should the Board of Appeals have any questions regard the above, in order to expedite prosecution, the Board is invited to call the undersigned.

Respectfully submitted,

Dated: November 19, 2001



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